ASP.NET Workshop - "Model Binding"

Learning Outcome

1. To practice model-binding for a GET request (Exercise 1 & 2)
2. To practice model-binding for a POST request (Exercise 3)
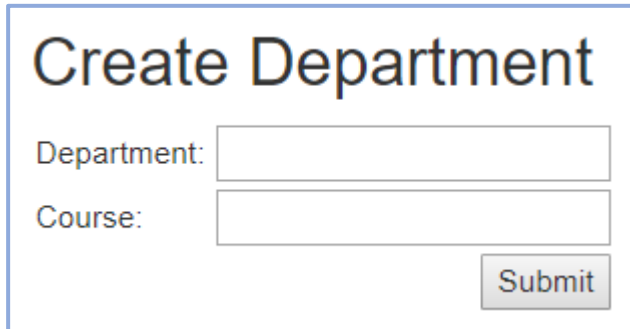
Exercise 1

1. Create action method *GetDepartment(string department, string course)* in the Home controller
2. In *GetDepartment*, Debug.WriteLine the values of *department* and *course*
3. Create a route such that *GetDepartment* is accessible
4. Access *GetDepartment* with your browser using query string: *localhost:<port>/Home/GetDepartment?department=cs&course=cs123*
5. Verify that the Output window shows <u>department</u> as "cs" and <u>course</u> as "cs123"

Exercise 2

1. Create a class called *Entity,* in the Models folder, with these public properties
   a. department (of type "string")
   b. course (of type "string")
2. Create action method *GetDepartment2(Entity entity)* in the Home controller
3. In *GetDepartment2*, Debug.WriteLine to print out the Entity object; that is, the values of <u>department</u> and <u>course</u>
4. Create a route, if necessary, such that *GetDepartment2* is accessible
5. Access *GetDepartment2* with your browser using query string: *localhost:<port>/Home/GetDepartment2?department=cs&course=cs123*
6. Verify that the Output window shows <u>department</u> as "cs" and <u>course</u> as "cs123".

Exercise 3

1. Create action method *CreateDepartment*(*Entity entity*) action method in the Home controller
2. In *CreateDepartment*, Debug.WriteLine to print out the Entity object; that is, the values of *department* and *course*
3. Create a route, if necessary, such that CreateDepartment is accessible
4. Create a HTML Form in CreateDepartment's View that looks like this

5. Set the form's **method** to "POST"
7. Set the form's **action** to "*CreateDepartment*"
8. Enter "cs" and "cs123" into the *department* and *course* textboxes respectively.
9. Submit the form
10. Verify that the Output window shows *department* as "cs" and *course* as "cs123"